Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently amended) A laser device, comprising a laser beam emitter having an optical resonator and an optical fiber for guiding a laser beam from said laser beam emitter, wherein said optical resonator has a resonator and a reflection mirror, wherein numerical apertures NAi, NAe and Naf have a relation of: NAi < NAe < NAf, where the numerical aperture of the laser beam entering said optical fiber is NAi, the numerical aperture of the laser beam emitted from said optical fiber is NAe, the numerical aperture of said optical fiber is NAf, and at least one of a length of said resonator or a curvature of said reflection mirror is determined so as to satisfy the condition that a parameter M^2 of beam quality of a projected laser beam is within a range of $8 \leqq M^2 \leqq 22$, where $M^2 = \pi W \cdot \theta/\lambda$ (W is a beam waist of a laser beam; θ is a spreading angle; and λ is a wavelength of the laser beam).

2. (Previously presented) A laser device according to claim 1, further comprising a slit lamp optical system, wherein the laser

beam from said optical fiber enters a pupil of an eye via said slit lamp optical system, wherein the numerical apertures Nam and NAmax have a relation of: $NAm \leqq NAmax \leqq NAf$, where the numerical aperture of the pupil is Nam and the maximum numerical aperture of the laser beam is NAmax, and a parameter M^2 of beam quality is within a range of $8 \leqq M^2 \leqq 22$.

3. (Previously presented) A laser device according to claim 1, wherein the laser beam emitted from said laser beam emitter is propagated in said optical fiber, wherein a core diameter of said optical fiber is 50 μm, and the numerical aperture NAe of the laser beam emitted from said optical fiber is in a range of $0.06 \leqq NAe \leqq NAf$.

4. (Previously presented) A laser device according to claim 1, wherein the laser beam emitted from said laser beam emitter is propagated in said optical fiber, wherein a core diameter of said optical fiber is 75 μm, and the numerical aperture NAe of the laser beam emitted from said optical fiber is in the range of $0.06 \leqq NAe \leqq 0.1$.